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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,888	09/05/2003	Jukka-Pekka Vihmalo	944-003.180	1528
4955 7590 11/28/2007 WARE FRESSOLA VAN DER SLUYS & ADOLPHSON, LLP BRADFORD GREEN, BUILDING 5 755 MAIN STREET, P O BOX 224 MONROE, CT 06468			EXAMINER VO, THANH DUC	
			ART UNIT 2189	PAPER NUMBER
			MAIL DATE 11/28/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Interview Summary	Application No.	Applicant(s)	
	10/656,888	VIHMALO ET AL.	
	Examiner	Art Unit	
	Thanh D. Vo	2189	

All participants (applicant, applicant's representative, PTO personnel):

- (1) Thanh D. Vo. (3) Anatoly Frenkel (Reg. 54,106).
 (2) Donald Sparks. (4) _____.

Date of Interview: 20 November 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference
 c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☒ Yes e) ☐ No.

If Yes, brief description: Proposed amendment to claim 1.

Claim(s) discussed: 1.

Identification of prior art discussed: Ban.


Agreement with respect to the claims f) ☐ was reached. g) ☒ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

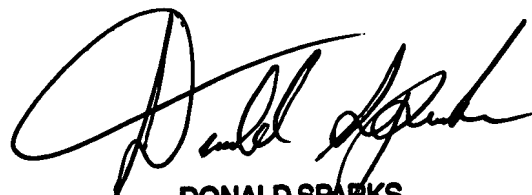
(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.


 Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: With respect to the amendment filed on August 17, 2007, Applicant argued that the cited reference is corresponding to a random process of 1/1000 probability wherein the present invention is corresponding to a deterministic process. Applicant further indicate the term "every time" should suggest the deterministic process. Examiner respectfully disagree. The term "every time" in claim 1 does not suggest the claim invention to be a deterministic process but it rather demonstrate that "whenever the memory detects a triggering signal, the data is copied or relocated. Based on that interpretation, Ban clearly discloses that everytime one in 1000 probability is detected in response to a write operation, the memory wear leveling method is performed. With respect to the Applicant's proposed amendment, Applicant argued that Ban fails to discloses "a predetermined number of one or more triggering signal". Examiner indicates that Ban further teaches such limitation in Fig. 2 col. 5, lines 1-5.

A handwritten signature in black ink, appearing to read "Donald Sparks", is written over a printed name and title.

DONALD SPARKS
SUPERVISORY PATENT EXAMINER

FACSIMILE TRANSMISSION COVER SHEET

Date: 11/19/2007

TO:	Thanh D. Vo (Donald Sparks)
COMPANY/FIRM:	USPTO
PHONE NO.:	571-272-0708
FACSIMILE NO.:	571-273-0708

FROM:	Anatoly Frenkel
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CONFIRMATION BY MAIL:

Number of pages (including this transmittal page):

If facsimile transmission is incomplete, please notify sender at (203)261-1234.

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COMMENTS

Our Ref: 944-003.180, Application No: 10/656,888

Dear Mr. Vo:

Per instructions from Mr. Sparks I send you an agenda for a telephone interview scheduled for November 20, 2007 at 1 p.m. with Mr. Donald Sparks and you in response to a final office action of October 31, 2007. I want to discuss the following:

1. Overcoming 103(a) rejection of claims 1-3, 5-15, 19-33 and 37 over Change et al. (US Pub 2004/0177212) in view of Ban (US Patent 6,732,221). As I emphasized many times in responses to Office Actions, Ban discloses a random process that has one in 1000 probability of success, wherein the present invention describes a deterministic process, wherein for each predetermined number of one or more triggering signals (i.e., write or read operation, etc.) there is a memory wearing event (or several events) which is not disclosed by Ban or by Change et al. In other words, since the process described by Ban is random we cannot say that for a predetermined number of write operation (Ban only concentrate on write operation), even for 1000 write operations, there is a

corresponding memory wearing event in Ban because of the randomness of the process. Also Ban concentrates only on write operations, wherein the event (or triggering signal) according to the present invention (see page 15, lines 10-15), the event is interpreted much broader (it can be write, read, clock pulses etc.) such that a predetermined number of events in the present invention is different than a predetermined number of events in Ban. Thus Ban and Chang et al. do not describe all limitations of independent claims of the present invention as required, e.g., by the MPEP paragraph 2143.

2. Overcoming 112, first paragraph rejection by clarifying terminology and language of claims. I propose to equate triggering signal with the event, as disclosed in the specification of the present patent application. In that regard, claim 1 can be amended as follows (I can explain the proposed changes during interview if you have questions):

1. (Currently Amended) A method, comprising:

~~detecting receiving at least a predetermined number of one or more triggering signal signals by a multi-block memory comprising data, wherein each of said one or more triggering signal signals comprises an only one event for activities of a multi-block memory comprising data activities but is not intended for memory wear leveling; and~~

copying or relocating, for said memory wear leveling, the data of at least one first memory block containing at least one memory element of the multi-block memory to at least one second memory block of the multi-block memory in response to said predetermined number of the one or more triggering signals~~after detecting the at least one triggering signal every time said at least one triggering signal is detected~~, wherein said at least one second memory block does not contain said data before said copying or relocating,

wherein no information on a usage of ~~said~~ the at least one first memory block, the at least one second memory block or the at least one memory element is provided for performing said copying or relocating, ~~and wherein said triggering signal is for implementing both said event and said memory leveling.~~

Best Regards,
Anatoly Frenkel

THE INFORMATION CONTAINED IN THIS FACSIMILE IS CONFIDENTIAL AND MAY ALSO BE ATTORNEY-CLIENT PRIVILEGED, THE INFORMATION IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHOM IT IS ADDRESSED. IF YOU ARE NOT THE INTENDED RECIPIENT, OR THE AGENT OR EMPLOYEE RESPONSIBLE TO DELIVER IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY USE, DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS FACSIMILE IN ERROR, PLEASE IMMEDIATELY NOTIFY US BY TELEPHONE AND RETURN THE RECEIVED MESSAGE TO US AT THE ADDRESS ABOVE VIA THE U.S. POSTAL SERVICE. THANK YOU.